

## FIG. 1

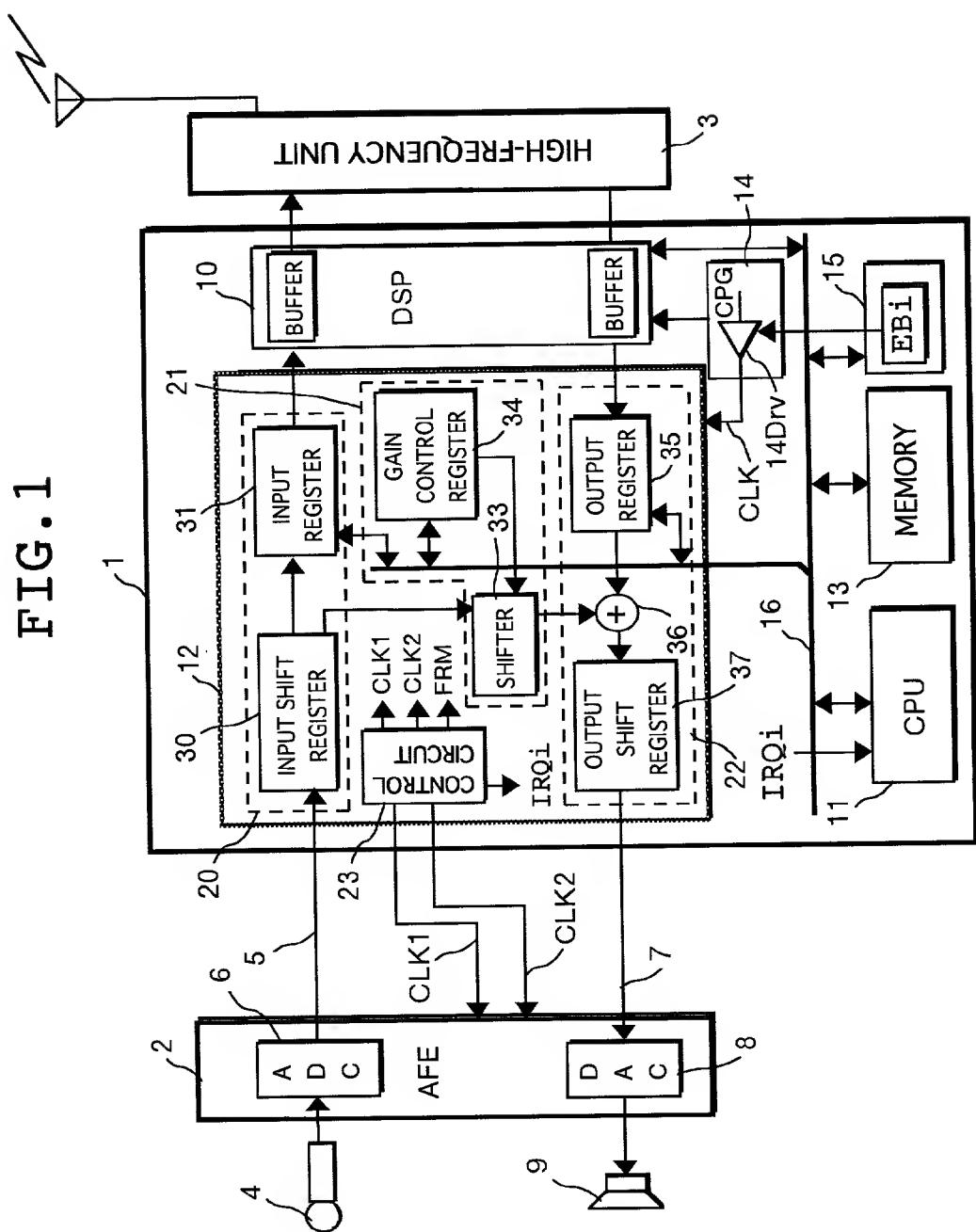


FIG. 2

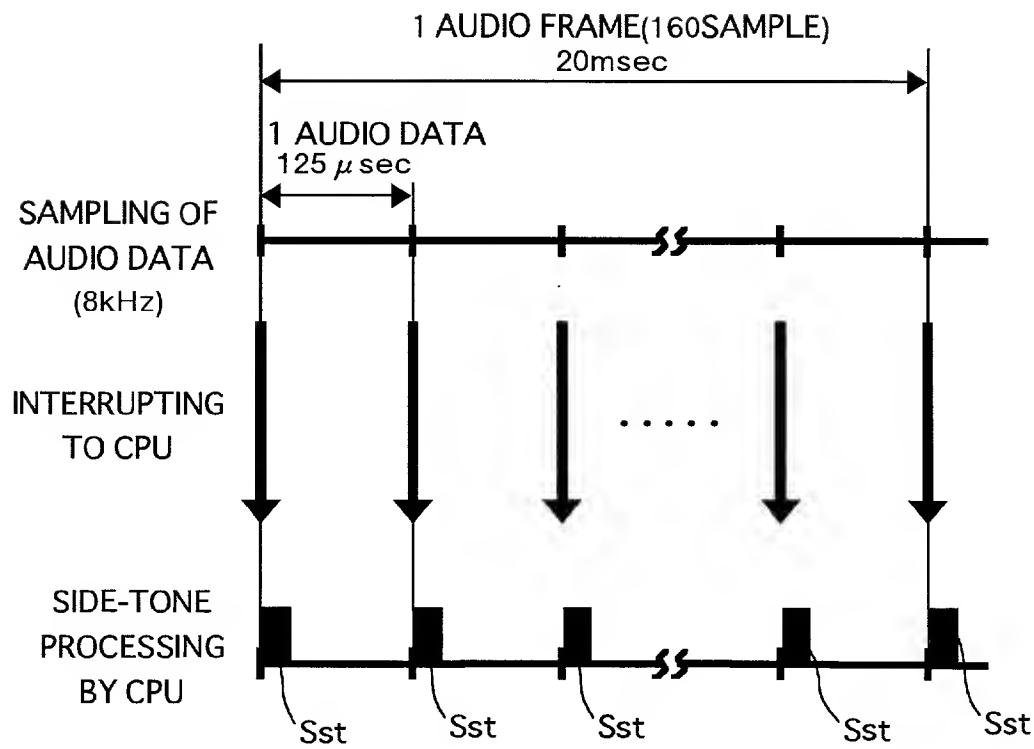
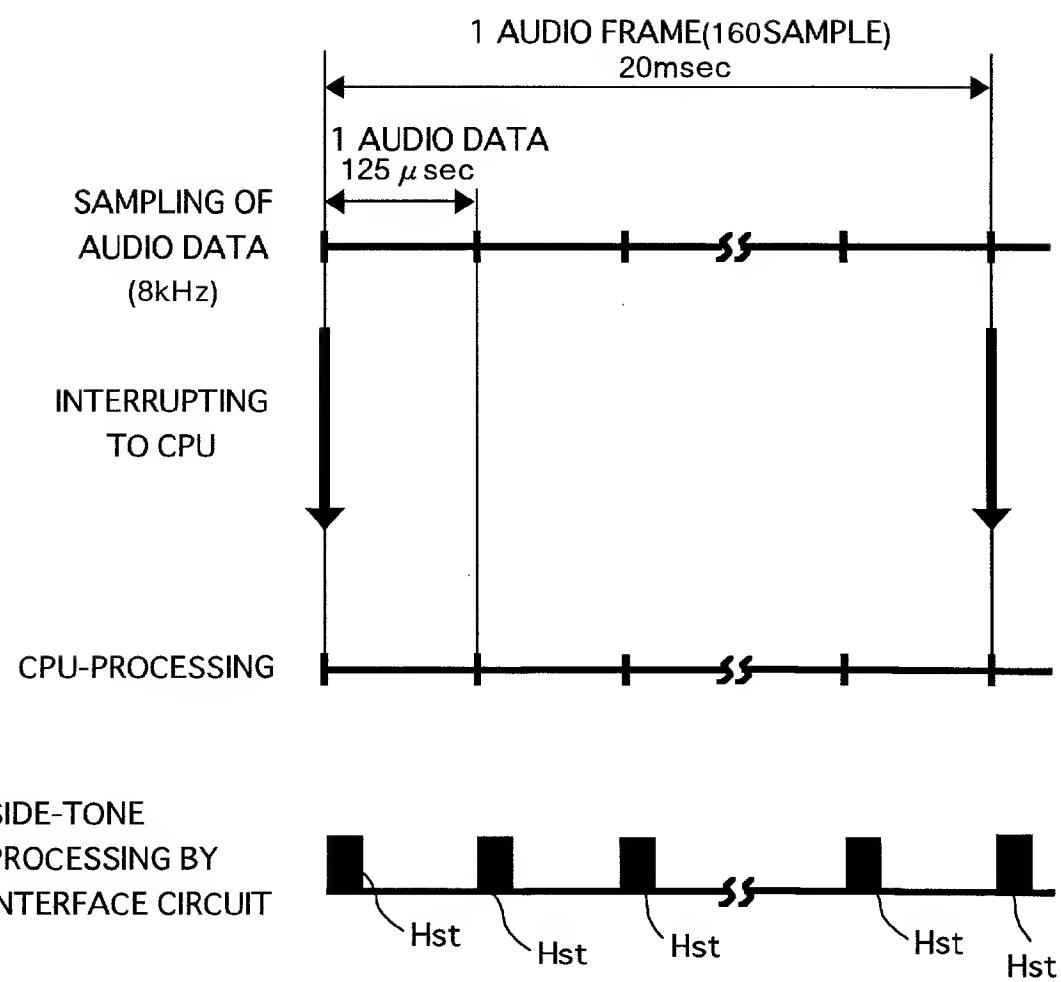


FIG. 3



**FIG. 4**

REGISTER NAME	ADDRESS	R/W (Read/Write)	ACCESS SIZE
INPUT SHIFT REGISTER(30)	--	--	16 bit
INPUT REGISTER(31)	0x10000000	R/W	16 bit
OUTPUT SHIFT REGISTER(37)	--	--	16 bit
OUTPUT REGISTER(35)	0x10000002	R/W	16 bit
GAIN CONTROL REGISTER(34)	0x10000004	R/W	8 bit
⋮	⋮	⋮	⋮

FIG.5

GAIN CONTROL REGISTER(34) DATA	BIT SHIFT OPERATION DATA
0x00	NONE
0x01	1BIT
0x02	2BIT
⋮	⋮
⋮	⋮
0x0F	15BIT
0x10	16BIT

FIG. 6

No	INPUT SHIFT REGISTER(30) DATA	GAIN CONTROL REGISTER(34) DATA	OUTPUT REGISTER(35) DATA	SHIFTER DATA	OUTPUT SHIFT REGISTER(37) DATA
1	0x00FF	0x02	0x0F00	0x003F	0x0F3F
2	0x00FE	0x02	0x0F10	0x003F	0x0F4F
3	0x008F	0x02	0x0F00	0x0023	0x0F23
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 7

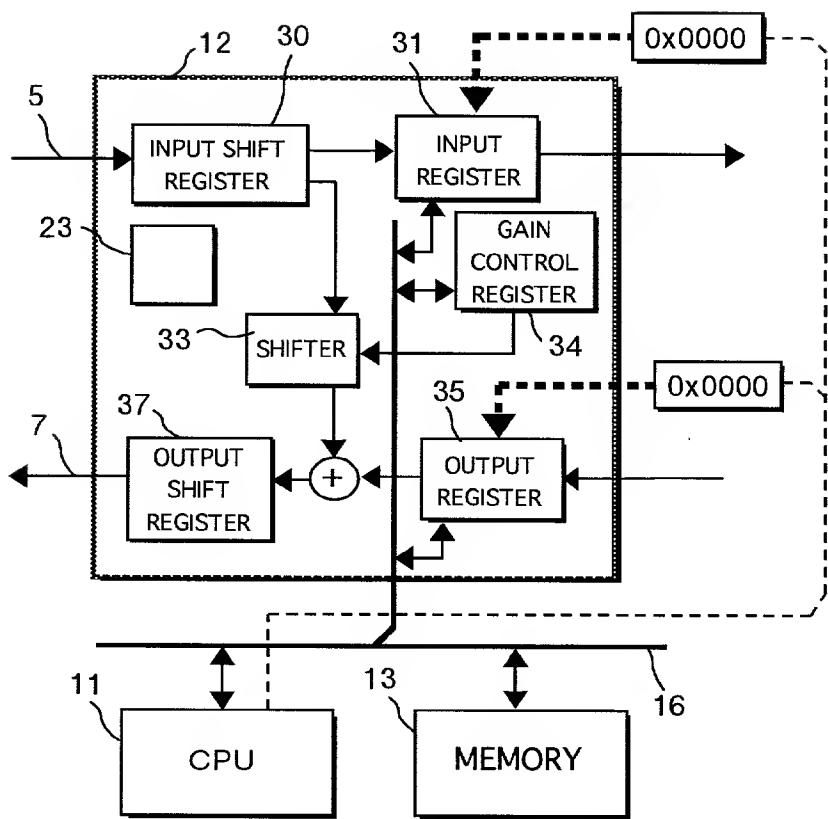


FIG. 8

